

15-009-20397

State Geological Survey
WICHITA, BRANCH

DRILLERS' LOG

27-33-11W

SANDS DRILLING COMPANY
No. 1 Houlton
1980' PNL & 1980' PEL, Sec. 27-33S-11W
Barber County, Kansas

Commenced: 2-28-76
Completed: 3-8-76

Surface Casing: 195' of 8-5/8"
cemented w/170 sx common
cement, 38 cc. 2-28-76

<u>FORMATION</u>	<u>DEPTH</u>
Surface Hole	0 - 205
Shale	205 - 1100
Shale & Lime Streaks	1100 - 1680
Shale & Lime	1680 - 1955
Shale	1955 - 2270
Shale & Lime	2270 - 2910
Shale	2910 - 3215
Lime & Shale	3215 - 3500
Shale & Lime	3500 - 4010
Lime	4010 - 4700
Lime & Shale	4700 - 4778
Shale & Lime	4778 - 4800 RTD

I do hereby certify that the foregoing statements are true and correct to the best of my knowledge and belief.

D N B DRILLING, INC.

James L. Donelson
JAMES L. DONELSON



STATE OF KANSAS: ss:

Subscribed and sworn to before me this 19th day of March 1976.

Ella Priess
Ella Priess, Notary Public

Ella Priess
STATE NOTARY PUBLIC
Sedgwick County, Kansas
My Com. Expires Aug. 25, 1976